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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,894	05/08/2002	Jari Isokangas	4925-212PUS	2373

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Michael C Stuart  
Cohen Pontani Lieberman & Pavane  
Suite 1210  
551 Fifth Avenue  
New York, NY 10176

EXAMINER
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FOX, JAMAL A

ART UNIT	PAPER NUMBER
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2664

DATE MAILED: 01/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/049,894

Applicant(s)

ISOKANGAS ET AL.

Examiner

Jamal A. Fox

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5, 7, 9, 10, 13 and 14 is/are rejected.
- 7) ☒ Claim(s) 4, 6, 8, 11 and 12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 May 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2/13/2002.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Priority*

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Finland on 06/26/2000. It is noted, however, that applicant has not filed a certified copy of the 20001509 application as required by 35 U.S.C. 119(b).

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 5, 7, 9, 10, 13 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Kari et al. (WO 9736405).

Referring to claim 1, Kari et al. discloses a method for transmitting (transmissions, page 4 lines 8-11) data packets (packets, page 4 lines 8-19), where a packet data connection is indicated with a connection identifier (address, page 4 lines 15-19) and the destination of the packet data connection is indicated with a destination (destination, page 2 lines 1-3, page 3 lines 29-31 and page 9 lines 3-4) identifier,

data packets are sorted into initialized transmission queues (queue, col. 4 lines 12-14) before transmission,

a destination (destination, page 2 lines 1-3, page 3 lines 29-31 and page 9 lines 3-4) identifier is involved in the initialization of a transmission queue,

at least one connection identifier (TLLI identity, page 5 lines 23-35) is related to each transmission queue (queue, page 5 lines 23-35),

a set of proper connection identifiers is the union of the connection identifiers related to the initialized (formed, page 7 lines 16-25) transmission queues and

a data packet (packet, page 3 lines 25-30) having a proper connection identifier is placed to the transmission queue determined by the connection identifier, characterized in that

the initialization of a new (new, page 5 lines 23-35) transmission queue is triggered by a data packet not having a proper connection identifier and having a destination (destination, page 2 lines 1-3, page 3 lines 29-31 and page 9 lines 3-4) identifier and

after a successful initialization of a new transmission queue the data packet that triggered the initialization is placed (assigned, page 7 lines 16-25) to the new transmission queue.

Referring to claim 2, Kari et al. discloses a method according to claim 1, characterized in that the activation of a new queue is triggered by a data packet not (not, page 1 lines 30-33) having a queue identifier.

Referring to claim 3, Kari et al. discloses a method according to claim 1, characterized in that the activation of a new queue is triggered by a data packet having a queue identifier that is not (not, page 1 lines 30-33) a proper queue identifier.

Referring to claim 5, Kari et al. disclose a method according to claim 1, characterized in that a certain data field in a protocol packet header (header, page 2 lines 18-20 and page 7 lines 8-15) is used as the connection identifier.

Referring to claim 7, Kari et al. discloses a method of claim 1, characterized in that transmission resources in a radio access network are reserved (reserved, page 1 lines 21-33), when the initialization of a new queue is triggered.

Referring to claim 9, Kari et al. discloses a network element, which comprises means for storing data packet to transmission queues (queue, page 3 lines 24-35),

means for indicating the connections related to each transmission queue with connection identifiers (address, page 4 lines 15-19),

means (subscriber/terminal equipment, page 4 lines 15-19) for detecting a connection identifier in a data packet, and

means (TCP process, page 6 lines 1-9) for placing a data packet to an initialized transmission queue whose connection identifier is equal to the connection identifier in the data packet, characterized in that it further comprises means for triggering the initialization of a new (new, page 5 lines 23-35) transmission queue on the arrival of a data packet not having a connection identifier equal to any of the connection identifiers of the transmission queues and having a destination (destination, page 2 lines 1-3, page 3 lines 29-31 and page 9 lines 3-4) identifier.

Referring to claim 10, Kari et al. discloses a network element according to claim 9, characterized in that it is a network element of a cellular network (see Fig. 1 and respective portions of the spec.).

Referring to claim 13, Kari et al. discloses a network element according to claim 10, characterized in that it is a network element of a General Packet Radio Service core network (GPRS, page 1 lines 21-36, page 2 lines 9-17 and page 7 lines 6-32).

Referring to claim 14, Kari et al. disclosed a network element according to claim 13, characterized in that it is a Serving GPRS Supporting Node (GPRS Support Node, page 1 lines 34-36; SGSN, page 2 lines 1-8 and page 7 lines 30-35).

***Allowable Subject Matter***

4. Claims 4, 6, 8, 11, 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

5. **Any response to this action should be mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**or faxed to:**

(571) 273-8300, (for formal communications intended for entry)


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamal A. Fox whose telephone number is (571) 272-3143. The examiner can normally be reached on Monday-Friday 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to 2600 Customer Service whose telephone number is (571) 272-2600.



Jamal A. Fox



WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER